

Industrial Data Solutions® — Industrial Ethernet

Coaxial Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

Thinnet 10Base2 Ethernet • 20 AWG Stranded (19x32) .037" TC Conductor • Duobond® II (100% Coverage) + TC Braid (93% Coverage)

Foam Polyethylene Insulation • Gray PVC Jacket

UL AWM Style 1354 (30V 60°C)	9907	NEC: CL2 CM	500 1000 1640	152.4 304.8 304.8	12.5 25.0 25.0	5.7 11.4 11.4	20 AWG (19x32) .037"	.102	2.59	Duobond II + 93% TC Braid	.185	4.70	50	80%	25.4	83.3	1	.43	1.4
		CEC: CM	2500 3280	762.0 1000.0	60.0 82.0	27.3 37.3	8.8Ω/M' 28.9Ω/km			5.8Ω/M' 19.0Ω/km							100	4.20	13.8
																	200	6.10	20.0
																	400	8.90	29.2
																	700	12.10	39.7
																	900	13.90	45.6
																	1000	14.80	48.6

DEC Part No. 17-01248-00

Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket

150°C	89907	NEC: CL2P CMP	500 1000 2500†	152.4 304.8 762.0	13.0 24.0 60.0	5.7 10.9 27.3	20 AWG (19x32) .037"	.095	2.41	Duobond II + 93% TC Braid	.160	4.06	50	80%	25.4	83.3	1	.43	1.4
		CEC: CMP FT6					8.8Ω/M' 28.9Ω/km			5.8Ω/M' 19.0Ω/km							100	4.18	13.8
																	200	6.10	20.0
																	400	9.20	30.2
																	700	12.90	42.3
																	900	15.00	49.2
																	1000	16.00	52.5

RG-58/U Type

DEC Part No. 17-01246-00

Suitable for Outdoor and Direct Burial applications.

Thicknet 10Base5 Ethernet • 12 AWG Solid .086" Bare Copper Conductor • Duobond IV* Quad Shield (100% Coverage)

Foam Polyethylene Insulation • Yellow PVC Jacket

UL AWM Style 1478 (30V 60°C)	9880	NEC: CL2 CM	500 1000 1640	152.4 304.8 500.0	66.0 131.0 219.0	30.0 59.5 99.9	12 AWG (solid) .086"	.243	6.17	Duobond IV (Duobond II + 94% TC Braid + Duofoil® + 90% TC Braid)	.405	10.29	50	78%	26.0	85.0	1	.19	.62
		CEC: CM					1.4Ω/M' 4.7Ω/km			1.5Ω/M' 5.0Ω/km							5	.37	1.21
																	10	.52	1.71
																	50	1.20	3.94
																	100	1.70	5.58
																	200	2.55	8.37
																	400	3.90	12.80
																	700	5.50	18.10
																	900	6.50	21.30
																	1000	6.90	22.60

DEC Part No. 17-00451-00

Ring-band stripes marked every 2.5 meters to aid users in tap placement.

Plenum • Foam FEP Insulation • Orange Fluorocopolymer Jacket

150°C	89880	NEC: CL2P CMP	1000 1640†	304.8 500.0	134.0 224.7	60.9 102.1	12 AWG (solid) .086"	.245	6.22	Duobond IV (Duobond II + 90% TC Braid + Duofoil + 90% TC Braid)	.375	9.53	50	78%	26.0	85.0	1	.18	.59
		CEC: CMP FT6					1.4Ω/M' 4.7Ω/km			1.5Ω/M' 5.0Ω/km							5	.37	max. 1.21
																	10	.52	max. 1.71
																	50	1.15	3.77
																	100	1.65	5.41
																	200	2.45	8.04
																	400	3.80	12.50
																	700	5.60	18.40
																	900	6.80	22.30
																	1000	7.20	23.60

DEC Part No. 17-00324-00

Ring-band stripes marked every 2.5 meters to aid users in tap placement.

Suitable for Outdoor and Direct Burial applications.

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene-propylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

*Duobond IV = Duobond II + 94% tinned copper braid + Duofoil® + 90% tinned copper braid.

(Plenum version is Duobond II + 90% tinned copper braid + Duofoil + 90% tinned copper braid.)

† Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.